

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method for editing content of a production data store for use by a computer system,
5 comprising:

replicating said production data store to produce a core data store; and,
producing a shadow data store of a portion of said core data store.

10 2. The method of claim 1, further comprising:

modifying said shadow data store to produce a modified shadow data store; and
applying said modified shadow data store to said core data store to create a modified core
data store.

15 3. The method of claim 2, further comprising:

propagating said modified core data store to said production data store to produce a
modified production data store.

20 4. The method of claim 1, further comprising:

generating a user view, for presentation to a user, from said shadow data store and said
core data store, by combining content of said shadow data store with content of said core data
store to produce a temporary image as a user view.

25 5. The method of claim 4 further comprising:

presenting said temporary image to a user.

6. A method for editing content of a production data store for use by a computer system,
comprising:

replicating said production data store to produce a core data store;
producing shadow data stores of portions of said core data store; and

generating user views for presentation to users, from said shadow data stores and said core data store, by combining content of said shadow data stores with content of said core data store to produce temporary images as user views.

5 7. The method of claim 6 further comprising:

 presenting said temporary images to users.

8. A method for editing content of a production data store for use by a computer system, comprising:

10 replicating said production data store to produce a core data store;

 producing shadow data stores of portions of said core data store;

 generating user views for presentation to users, from respective shadow data stores and said core data store, by combining content of said respective shadow data stores with content of said core data store to produce temporary images as user views.

15 9. The method of claim 8 further comprising:

 presenting said temporary images to respective users.

10. The method of claim 7 further comprising:

20 granting review access to said user views to reviewers for reviewing said temporary images, for acceptance thereof;

 authorizing application of shadow data stores, associated with accepted temporary images, to said core data store; and

25 applying said shadow data stores, associated with accepted temporary images, to said core data store to create a modified core data store.

11. The method of claim 10 further comprising:

 propagating said modified core data store to said production data store to produce a modified production data store.

12. The method of claim 10 wherein each said temporary image has an unique address in said computer system; said granting review access to said user views being achieved by disclosing said unique address of each temporary image to a reviewer and providing permission, if required, to view contents associated with said unique address of each temporary image.

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13. The method of claim 12 wherein said computer system has access to a network which uses a unique Uniform Resource Locator (URL) to address each said temporary image.

14. The method of claim 13 wherein said network comprises an Intranet.

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15. The method of claim 13 wherein said network comprises the Internet.

16. The method of claim 11 wherein the production data store includes at least one web page, said at least one web page being identified by a respective URL.

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17. The method of claim 13 wherein said temporary images comprise web pages, said web pages being identified by respective URLs.

18. The method of claim 5 wherein said temporary image is selected from a set comprising:

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a document, a software program, a software module, a graphic image, a video composition , an audio composition and a web page.

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19. The method of claim 7 wherein said temporary images are selected from a set comprising:
documents, software programs, software modules, graphic images, video compositions,
audio compositions and web pages.

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20. The method of claim 9 wherein said temporary images are selected from a set comprising:
documents, software programs, software modules, graphic images, video compositions,
audio compositions and webpages.

21. The method of claim 11 wherein said production data store is made available to users by selecting at least one operation from a set comprising;

publishing a URL associated with said production data store;

granting read access to said production data store; and

5 making a first copy of said production data store from which a further copy is made for distribution.

10 22. The method of claim 2 wherein steps of modifying said shadow data store and applying said modified shadow data store to said core data store includes operations selected from a set comprising:

15 insert operations; delete operations; and update operations, wherein update operations are combinations of insert and delete operations.

20 23. A data processing system for editing content of a production data store for use by a computer system, comprising:

replicating means for replicating said production data store to produce a core data store;
and

producing means for creating a shadow data store of a portion of said core data store.

25 24. The data processing system of claim 23, further comprising:

modifying means for modifying said shadow data store to produce a modified shadow data store; and

application means for applying said modified shadow data store to said core data store to create a modified core data store.

30 25. The data processing system of claim 24, further comprising:

propagating means for propagating said modified core data store to a production data store to produce a modified production data store.

26. The data processing system of claim 23, further comprising:

generating means for generating a user view for presentation to a user, from said shadow data store and said core data store, by combining content of said shadow data store with content of said core data store to produce a temporary image as a user view.

- 5 27. The data processing system of claim 26, further comprising:
 presenting means for presenting said temporary image to a user.
- 10 28. A data processing system for editing content of a production data store for use by a computer system, comprising:
 replicating means for replicating said production data store to produce a core data store;
 means for producing shadow data stores of portions of said core data store; and
 generating means for generating user views for presentation to users, from said shadow data stores and said core data store, by combining content of said shadow data stores with content of said core data store to produce temporary images as user views.
- 15 29. The data processing system of claim 28, further comprising:
 presenting means for presenting said temporary images to users.
- 20 30. A data processing system for editing content of a production data store for use by a computer system, comprising:
 replicating means for replicating said production data store to produce a core data store;
 producing means for producing shadow data stores of portions of said core data store;
 generating means for generating user views for presentation to users, from respective shadow data stores and said core data store, by combining content of said respective shadow data stores with content of said core data store to produce temporary images as user views.
- 25 31. The data processing system of claim 30, further comprising:
 presenting means for presenting said temporary images to respective users.
- 30 32. The data processing system of claim 28 further comprising:

access control means for granting review access to said user views to reviewers for reviewing said temporary images, for acceptance thereof;

authorizing means for authorizing application of said shadow data stores associated with accepted temporary images to said core data store; and

5 application means for applying said shadow data stores associated with accepted temporary images to said core data store to create a modified core data store.

33. The data processing system of claim 32, further comprising:

propagating means for propagating said modified core data store to a production data
10 store to produce a modified production data store.

15 34. The data processing system of claim 32, wherein each said temporary image has an unique address in said computer system; said granting review access to said user views being achieved by disclosing said unique address of each temporary image to a reviewer and providing permission, if required, to view contents associated with said unique address of each temporary image.

20 35. The data processing system of claim 34, wherein the computer system has access to a network which uses a unique Uniform Resource Locator (URL) to address each said temporary image.

36. The data processing system of claim 35, wherein said network comprises an Intranet.

37. The data processing system of claim 35 wherein said network comprises the Internet.

25 38. The method of claim 33 wherein the production data store includes at least one web page, said at least one web page being identified by a respective URL.

30 39. The data processing system of claim 34 wherein said temporary images are webpages, said webpages being identified by URLs.

40. The data processing system of claim 27 wherein said temporary image is selected from a set comprising:

5 a document, a software program, a software module, a graphic image, a video composition, an audio composition and a web page.

41. The data processing system of claim 29 wherein said images are selected from a set comprising:

10 documents, software programs, software modules, graphic images, video compositions, audio compositions and web pages.

42. The data processing system of claim 31 wherein said images are selected from a set comprising:

15 documents, software programs, software modules, graphic images, video compositions, audio compositions and web pages.

43. The data processing system of claim 33 wherein said production data store is made available to users by selecting at least one operation from a set comprising;

20 publishing a URL associated with said production data store;

 granting read access to said production data store; and

 making a first copy of said production data store from which a further copy is made for distribution.

44. The data processing system of claim 24 wherein steps of modifying said shadow data store and applying said modified shadow data store to said core data store includes operations selected from a set comprising:

25 insert operations; delete operations; and update operations wherein update operations are combinations of insert and delete operations.

45. An article for editing content of a production data store for use by a computer system, comprising:

a computer-readable signal-bearing medium;

5 code means in the medium for replicating said production data store to produce a core data store; and

code means in the medium for producing a shadow data store of a portion of said core data store.

10 46. The article of claim 45, wherein the medium is a data storage medium capable for recording data.

15 47. The article of claim 46, wherein the medium is selected from a group consisting of magnetic, optical, biological and atomic data storage media.

20 48. The article of claim 45, wherein the medium is a modulated carrier signal.

49. The article of claim 48, wherein the signal is a transmission over at least one selected from a group of networks comprising the Internet and Extranet.

25 50. An article for editing content of a production data store for use by a computer system, comprising:

a computer-readable signal-bearing medium;

code means in the medium for replicating said production data store to produce a core data store;

25 code means in the medium for producing a shadow data store of a portion of said core data store;

code means in the medium for generating user views for presentation to users, from said shadow data stores and said core data store, by combining content of said shadow data stores with content of said core data store to produce temporary images as user views; and

30 code means in the medium for presenting said temporary images to users as user views.

51. The article of claim 50, wherein the medium is a data storage medium capable for recording data.

5 52. The article of claim 51, wherein the medium is selected from a group consisting of magnetic, optical, biological and atomic data storage media.

10 53. The article of claim 50, wherein the medium is a modulated carrier signal.

15 54. The article of claim 53, wherein the signal is a transmission over at least one selected from a group of networks comprising the Internet and Extranet.

55. An article for editing content of a production data store for use by a computer system, comprising:

a computer-readable signal-bearing medium;

15 code means in the medium for replicating said production data store to produce a core data store;

code means in the medium for producing a shadow data store of a portion of said core data store; and

20 code means in the medium for generating user views for presentation to users, from respective shadow data stores and said core data store, by combining content of said respective shadow data stores with content of said core data store to produce temporary images as user views; and

code means in the medium for presenting said temporary images to users as user views.

25 56. The article of claim 55, wherein the medium is a data storage medium capable for recording data.

30 57. The article of claim 56, wherein the medium is selected from a group consisting of magnetic, optical, biological and atomic data storage media.

58. The article of claim 55, wherein the medium is a modulated carrier signal.
59. The article of claim 58, wherein the signal is a transmission over at least one selected from a group of networks comprising the Internet and Extranet.

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60. The article of claim 55 further comprising;
- code means in the medium for granting review access to said user views to reviewers for reviewing said temporary images, for acceptance thereof;
- code means in the medium for authorizing application of shadow data stores, associated with accepted temporary images, to said core data store; and
- 10 code means in the medium for applying said shadow data stores, associated with accepted temporary images, to said core data store to create a modified core data store.

PCT/US2001/020081

61. The article of claim 60 further comprising;
- code means in the medium for propagating said modified core data store to said production data store to produce a modified production data store.
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62. The article of claim 61, further comprising; code means in the medium for making said production data store available to users by selecting at least one operation from a set comprising;
- 20 publishing a URL associated with said production data store;
- granting read access to said production data store; and
- making a first copy of said production data store from which a further copy is made for distribution.
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63. The article of claim 55 wherein each said temporary image has an unique address in said computer system; said granting review access to said user views being achieved by disclosing said unique address of each temporary image to a reviewer and providing permission to view contents associated with said unique address of each temporary image if required.